Pearson Eddy
Wetland Restoration Project

Construction Activities

Presented By: Larry Johnson, P.E., State Conservation Engineer
Kelly Scott, P.E., Design Engineer
CONSTRUCTION NOTES:
1. The work area shall be dewatered and fish shall be removed as required in the permits prior to the start of work.
2. The structures shall be installed to all manufacturers specifications.
3. The MTR shall be set to allow passage of water and fish to an elevation of 28’ NGVD.
4. All exposed earth areas shall be seeded in accordance to CS–6, Seeding, Spraying and Mutching.

GENERAL NOTES:
Final road surface elevation will be 1 foot higher than original crossing.

<table>
<thead>
<tr>
<th>Size Opening (Inches)</th>
<th>Passing by Dry Weight (%)</th>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>3</td>
<td>50–100</td>
</tr>
<tr>
<td>2</td>
<td>15–50</td>
</tr>
<tr>
<td>1</td>
<td>0–15</td>
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<tr>
<td>Fines</td>
<td>0–5</td>
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</tbody>
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<thead>
<tr>
<th>Size Opening (Inches)</th>
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<tbody>
<tr>
<td>30</td>
<td>100</td>
</tr>
<tr>
<td>24</td>
<td>50–85</td>
</tr>
<tr>
<td>12</td>
<td>30–50</td>
</tr>
<tr>
<td>8</td>
<td>15–30</td>
</tr>
<tr>
<td>Fines</td>
<td>0–5</td>
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</table>
This MTR System controls one tidegate.

Walkway to MTR unit so that the adjustment handle can be reached to set MTR to the interior water level that the tidegate will close at.
This is an MTR unit controlling a single NSG6ra tidegate.
Pearson Eddy
WRP Restoration

Customer(s): FORTERRA NW

Agency: USDA-NRCS
Assisted By: KATHY SMITH

Legend:
- Townships
- Sections
- Excavation
- Sed removal - site prep
- Log Structures
- Delevelling
- Tree/shrub planting
- Moist soil management - tilling
- 2007 tree/shrub planting

Rock Chute

Fill ditch from slough to swale 2 hardened crossings

Culvert replacement 1-SRT & 3 flap gates

Existing swale excavation, planting

Existing swale de-leveling, planting

North Treen Ditch - plug and partial fill

Treen lake

South Treen Ditch - plug

Slab removal

North Field

Deep Ditch

Access Road
RIGHT BANK TYPICAL CROSS SECTION D.S. OF FLOOD GATE N.T.S.

RIGHT BANK TYPICAL CROSS SECTION AT FLOOD GATE N.T.S.
Customer(s): FORTERRA NW

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WRP Restoration

Field Office: MOUNT VERNON SERVICE CENTER
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Fill Ditch from slough to swale 2 hardened crossings
Existing swale - de-leveling, planting
North Treen Ditch - plug and partial fill
Culvert replacement 1-SRT & 3 flap gates
Existing excavation
Slab removal
Fill Ditch
North Treen Ditch - plug
Long Lake
Treen lake
Deep Ditch
Access Road
NORTH FIELD
SOUTH FIELD
TIDAL FLAT

Compass:
North

550 0 950 1,100 1,650 2,200 Feet
Excavate Channel

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Legend

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- Sod removal - site prep
- Log Structures
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- 2007 tree/shrub planting

Sod Removal – Planting

- Culvert replacement 1-SRT & 3 flap gates
- Existing swale - excavation, planting
- North Treen Ditch - plug and partial fill
- South Treen Ditch - plug
- Slab removal
- Existing swale - de-leveling, planting

North Field
- Deep Ditch
- Access Road
- Long Lake

South Field
- Treen lake
Ditch Plug

Legend:
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TREEN DITCH PLAN VIEW

TREEN DITCH PROFILE

TREEN DITCH PARTIAL FILL - TYPICAL CROSS SECTION
STATIONS 0+00 TO 5+50
NTS

TREEN DITCH FILL TYPICAL CROSS SECTION
STATION 5+50 TO 6+70
NTS

CHANNEL LOW WATER CROSSING DETAIL
NTS

DEEP DITCH LOW WATER CROSSING DETAIL
NTS

<table>
<thead>
<tr>
<th>LOW WATER CROSSING RIP RAP</th>
<th>DRAINAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>2&quot;</td>
</tr>
<tr>
<td>0.60</td>
<td>3&quot;</td>
</tr>
<tr>
<td>0.30</td>
<td>3.5&quot;</td>
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</tbody>
</table>
CONSTRUCTION NOTE:
Mounds shall be compacted with construction equipment in such a way that they are discontinuous and do not interfere with site drainage.

TYPICAL DE-LEVELING DETAIL

1. The log structures shall consist of a minimum of 5 logs with root wash, and 2 pilings (see typical detail).
2. All logs in the structure shall be cabled together and anchored to all pilings to distribute the load evenly and ensure logs do not move off site or move around within the site.
3. Pilings shall be a minimum of 2' diameter and shall be driven 10' into the mineral soil.
4. The structure design (number and diameter of pilings) may be modified based on the material delivered to the site. Once available materials are stockpiled at the site, NRCS shall review them and adjust the design accordingly. Any design modifications shall be approved and signed by the NRCS prior to installation of log structures.
5. Logs shall be placed in a manner to promote interlocking while maintaining a minimal structure height.
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Map showing Tilling and other restoration activities in the Pearson Eddy WRP Restoration project.
Thank You